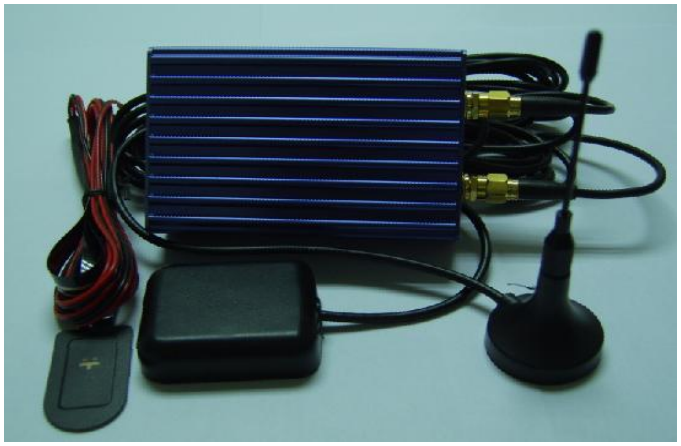
GPS Vehicle Tracker User Manual



Preface

Thank you for purchasing our products. This deliberately edited manual is to introduce the tracker with the complete technical data and the instructions showing how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Most problems could be solved through the explanations and the troubleshooting tips. Once you finish reading it, keep it handy for necessary reference. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

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Attention

1. Make sure to read this manual carefully before using this product.

2. Please insert the SIM card before installing, and make sure the SIM card has no password, otherwise the tracker will not work normally.

3. Please make sure that all the cables of the tracker has been connected rightly, and then connect the tracker to host power. Must not install or take down the tracker when it is power on. If you found any troubles or omissions about the connections of cables, please cut off power first, otherwise you will easily damage the tracker.

4. The tracker works in wireless communications, so please cut off the host power before your vehicles entering fuel depot and dangerous material place.

5. The tracker's work voltage is 10V-36V. Please use the tracker in the scope of work voltage.

6. The host of GPS tracker is a low-power wireless transmitter and receiver. It receives and sends radio frequency signal when it is working.

7. To avoid electromagnetic interference or uncompatible configuration, please stop using your tracker in the noticed place.

GPS518 Vehicle Tracker

◆Hardware Description

1. Host Tracker

2. Start up

Put the SIM card in place and installed the tracker in the car, the red indicator is on. In 10 or 40 seconds, the unit will begin to work and acquire the GSM signals as well as the GPS signals, and the red indicator will keep flashing every 2 seconds when the GPS module is in standby mode. When the blue indicator is keep shine, the unit has been located.

◆Main functions

1. Positioning and Tracking: Through the on-line Positioning Platform or the cell phone to locates at times, and get the working status. You can choose the Positioning Platform by yourself.

2. Triggering Emergency Alarm: When there is a emergency happened on the vehicle, you can put on the button and the installed unit will send out alarm to the authorized numbers.

3. Remote controlling oil and circuit: you can control the oil and circuit via the unit by SMS in anywhere and anytime.

4. Remote Monitoring: In anywhere and anytime, call the phone number in the unit, when it connects, you can monitor the sound around 5 meter.

5. Movement Alert: Send SMS to the unit to start the movement alert function. When the vehicle is moving, the unit will send the movement alert to all authorized numbers.

.**6.** Overspeed Alert: Send SMS to the unit to start the movement alert function. When the vehicle is overspeed, the unit will send the overspeed alert to all authorized numbers.

7. Geo-fence: Set up a geo-fence for the unit to restrict its movements within a district. The unit will send the message to all authorized numbers when it breaches the district.

9. Restart the unit: send SMS to resume the default of unit.

10. Auto Track: You can set up auto track by SMS or on-line positioning platform.

11. Mileage statistics; ACC checking; cutting off power and alarm.

12. Compatible with the original anti-theft alarm: It will send SMS alarm after the original anti-theft alarm warning.

* Modify the IP and Port of Communication Protocol for different on-line positioning platform

◆Set up numbers

Set up unit number, and it valid according to the positioning platform.

◆Usage

Operation mode

1. The tracker has two operation modes.

One mode have an administrator, the other hasn't. Administrator is the authorized number. If there is no authorized number, all number can control the tracker. If there is already an authorized number, only the authorized number can control the tracker.

The default mode is "no administrator."

Send SMS **admin123456** to the unit, it will make the cell phone number as authorized administrator number. Delete the authorized number from the administrator cell phone, it will be back to no administrator.

2. Add the number

If there is no administrator, call the tracker, the number will be record after connection. The tracker can remember 4 numbers. The fifth number will take place of the first number automatically.

If there is an administrator, only the administrator can add number to the tracker by SMS: **admin123456**

13632782450. "admin" as instruction, "123456" as password, "13632782450" as added number.

3. Delete the number

If there is no administrator, call the tracker, the number will be record after connection. The tracker can remember 4 numbers. The fifth number will take place of the first number automatically.

If there is an administrator, the administrator can delete number to the tracker by SMS: **noadmin123456 13632782450.** "noadmin" as instruction, "123456" as password, "13632782450" as deleted number. If the administrator deletes his own number, the tracker is back to the no administrator, and the record numbers deleted automatically.

4. Change the Password

Send SMS: **password+old password+space+new password** to change the password. For example: Send SMS Password123456 168168. "password" as instructions, "123456"as old password, "168168" as new password. Password must be six digits. Tracker's initial password is 123456. If there is no authorized number, all number can change the password. If there is already an authorized number, only the authorized number can change the password.

5. Control Oil

Send SMS **stopoil+password** to control oil.For example send SMS:stopoil123456 "stop oil"as instructions, "123456"as password. To supply the oil again, send SMS **supplyoil+password** to the unit.

For example, send SMS Supplyoil123456 to the tracker. "Supply" as instruction, "123456" as the password. If there is no authorized number, all number can control oil. If there is already an authorized number, only the authorized number can control oil.

6. Control Circuit

Send SMS **stoelec+password** to control circuit.For example send SMS: stopelec123456"stop oil" as instructions, "123456" as the password. To supply the circuit again, send SMS **supplyelec+password** to the unit.

For example, send SMS Supplyelec123456 to the tracker. "Supply" as instruction, "123456" as password. If there is no authorized number, all number can control circuit. If there is already an authorized number, only the authorized number can control circuit.

7. Monitor mode

Call the track, and you can monitor. If there is no authorized number, all number can monitor the unit. If there is already an authorized number, only the authorized number can monitor the unit.

8. Movement alert

Set up: When the unit stays immobile in a place for 3-10 minutes, the user can send SMS **Move+password** to the unit, then the unit will reply move ok! .In case of such a movement, it will send SMS Move along with a Geo-info to the authorized numbers.

For example, send SMS Move123456 to the unit. "Move" as instructions, "123456"as password.

Cancel: Send SMS **nomove+password** to deactivate the movement alert.

9. Overspeed alert

Set up: Send SMS **speed+password+space+080** to the unit (support the speed is 80km/h).

For example, send SMS speed123456 080. "speed" as instructions, "80" as limit speed, "123456"as password.

Cancel: Send SMS **nospeed+password** to deactivate the overspeed alert.

10. Cell phone positoning

Send SMS **position** to the unit, then the unit will send SMS with real-time longitude and latitude to the cell phone.

11. Tracking with a online positioning platform

Add the number on the online positioning platform for tracking. Adding to the special platform, send SMS **number+tracker number** to the tracker.For example "number13632782450**"**.

12 . Restart the tracker.

Send SMS"**root+password**" to the tracker. For example "**root123456**".The tracker will be restarted.

13.Auto track

Report a Geo-info at 3 minutes intervals to the authorized numbers/online position platform for 5 times: Send SMS **track 3 sum 5** to the unit. The max intervals is 256 minutes, and the max time is 256.

Send " **noat123456**" to the tracker, the tracker will stop transmitting the data to the authorized number/platform.

If the platform support this function, it can be operated on the platform straightly.

14. Geo-fence

Set up a geo-fence for the unit to restrict its movements within a district. The unit will send the message to the authorized numbers when it breaches the district.

Set up: When the unit stays immobile in a place for 3-10 minutes, the user can Send SMS **stockade+password+space+latitude,longitude; latitude,longitude** to unit to set the restricted district. In case of breach, it will send SMS "**stockade!+geo-info**" to the authorized numbers. For example send SMS

"stockade123456 22.548123,114.081234;22.549123,114.082234"

to the device.

Remark : The first latitude&longitude is coordinate of the top left corner of the Geo-fence,
while the second latitude&longitude is the coordinate of the bottom right corner. It will alarm one time in each setting.

Cancel: Send SMS **nostockade+password** to deactivate this function. For example send SMS "nostockade123456" to the device.

This function will be out of effect after the unit moves outside the district.

15. Resume the initial password

If you foget your password, you can resume the initial password 123456.

Send "**resume+password**" to the tracker, the tracker will resume the initial password. If there is no authorized number, all number can resume initial password. If there is already an authorized number, only the authorized number can resume initial password.

16. Modify IP address and port

The IP address and port of Communication Protocol in the tracker can be modified and transferred data to other platform. Send SMS **IP address+port** to the unit. If the tracker's IP address and port should be modified to 123.67.87.9 and 344, send SMS "**ip 123.67.87.9port344**"to the tracker.

17. Set up Sending data mode for GPS.

Set up Sending data mode for GPS,then it can send GPS data to IP address.(Refer to 16).

After this setting, you can call or send SMS to the tracker.The tracker will hand up the call and reply SMS **Serial number+authorized number+GPRMC+command+IMEI number+CRC16** to IP address.

19. Set APN

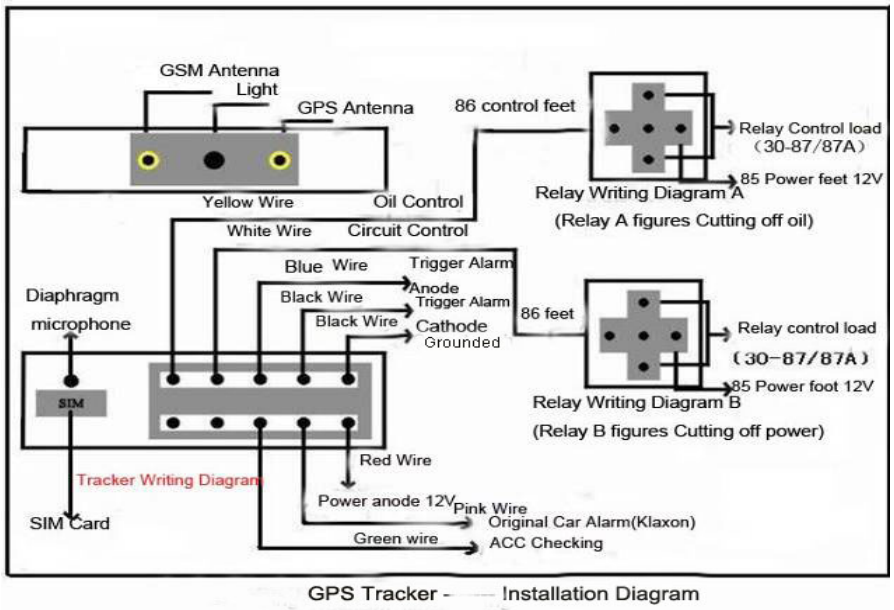
For sending GPS data to IP address,you should set up mobile network Access Point Name(APN).If you don't know the APN,you can consult local network service supplier.The fomat of set APN is **apn+password+space+APN**,after set up successful,the device will reply SMS "Set APN ok"

For example the password is 123456,Send SMS 'apn123456 cmnet' to the device.

◆Needed conditions to operate functions

GPRS network flux card which supports positioning function

Installation diagram of The Tracker



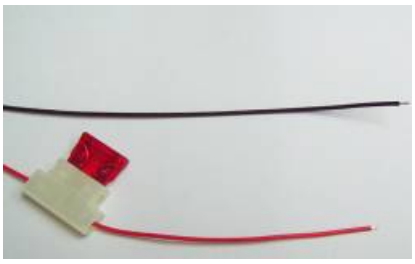
GPS Tracker - Installation Diagram

◆GPS Vehicle Tracker Installation

GPS518 tracker should be installed by technical professional of local service centre. Without permission, the user cann't repair and move the tracker randomly. If users do, any unfortunated damage should be compensated by himself.

Installation steps (caution: the following installation should under no power, otherwise will be dangerous)

1.Power supply line: The red wire connects 12V "+";Blank wire connects to 12V "-"



2. Wire for cutting off oil of the tracker

Yellow wire connects the relay feet 86; 85 feet to 12 V DC anode, 87 feet and 30 feet in series power supply circuits. Caution: Wrong connection of yellow wire will damage the tracker.

3. Wire for cutting off circuit of the tracker

White wire connects relay feet 86; 85 feet to 12 V DC anode, 87 feet and 30 feet are in series power supply circuits. Caution: Wrong connection of yellow wire will damage the tracker.

4. Emergency triggering alarm

The blue wire connects the anode of the alarm button, and the black wire connects the cathode of the alarm button.

◆Application

1. Global positioning
2. Real-time monitoring
3. Vehicle locating
4. Timing tracking
5. Cutting off power and circuit by remote control
6. Vehicle rental / Fleet management etc

◆Specs.

Content	Specs.
Dim.	77*44*19 (mm)
Weight	110g
Network	GSM/GPRS
Band	900/1800/1900Mhz
GPS chip	SIRF3 chip
GPS sensitivity	-104dBm
GPS accuracy	5 m
Time To First Fix	Reacquisition 0.1s Cold status 45s Warm status 35s Hot status 1s
Working Voltage	DC 10V－36V
Location inquiring	Cell Phone or online positioning platform
Battery	Chargeable changeable 3.7V / 1.2Ah Li-ion battery
Standby work current	< 30mA
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +70°C
Humidity	5%--95% non-condensing

Please preserve this card for free repair

Guarantee

User File

User name		Sex		Age	
Address					
Telephone				Zip	
Purchasing address					
Retail price			Odd Numbers		
Commodity name and specification			Model No.		
Dealer signature			User Signature		

Guarantee Item

1.2months upon date of purchase,if there is function problem,we should offer the same item subject to goods and packing maintain perfect.

2.1year upon date of purchase,we will guarantee to keep the goods in repair.(not including fittings)

3.Guarantee service is subject to normally using.

4.All of damage by man-made(tear open the housing,tear off the sticker,unnormally using),or losing this card,will not guarantee.